IN THE CLAIMS

1. (withdrawn) A composition comprising:

a metal-chelating ligand including a tetraazacyclododecane macrocycle ring core, and at least two non-identical substituents covalently bonded to the ring core, wherein each of the at least two non-identical substituents contain a group capable of binding to a cell receptor.

- (withdrawn) The composition of claim 1 wherein at least one of the nonidentical substituents is covalently bound to a ring nitrogen.
- (withdrawn) The composition of claim 1 wherein at least one of the nonidentical substituents is covalently bound to a ring carbon.
- 4. (withdrawn) The composition of claims 1 wherein at least one of the non-identical substituents are covalently bound to the ring via an alkyl linking group, an alkyl carbonyl linking group, or an alkyl amide linking group.
- (withdrawn) The composition of claim 1-4 wherein the tetraazacyclododecane macrocycle ring core is chelated to a metal ion.
- 6. (withdrawn) The composition of claim 5 wherein the metal ion is selected from the group of metals consisting of: La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, and Sc.
- (withdrawn) A composition comprising a metal-chelating ligand including tetraazacyclododecane macrocycle having one or more alkyl carboxylic acids or salts thereof appended to the ring nitrogen(s), and

- a $\alpha_0\beta_3$ receptor binding ligand covalently bonded to a ring nitrogen of the metalchelating ligand via an alkyl linking group, an alkyl carbonyl linking group, or an alkyl amide linking group.
- (withdrawn) The composition of claim 7 tetraazacyclododecane macrocycle includes two alkyl carboxylic acids or salts thereof each attached to one ring nitrogen.
- (withdrawn) The composition of claim 7 wherein the alkyl carboxylic acid is acetic acid.
- 10. (withdrawn) The composition of claims 7 wherein the alkyl component of the alkyl carboxylic acid or salt thereof is a straight chain, a branched chain, cyclic or aromatic hydrocarbyl group having between 1-5 carbon atoms, and can be substituted with one or more of the following substituents, hydrogen, C1-C4 alkyl, C1-C4 branched alkyl or aromatic or heteroaromatic group or a combination of these groups.
- (withdrawn) The composition of claim 7 wherein the alkyl amide linking group is -(CH₂)_nCO₂- wherein n is selected to be between 1 and 6.
- 12. (withdrawn) The composition of claim 7 wherein the alkyl component of the alkyl linking group, the alkyl carbonyl linking group and the alkyl amide linking group is -(CH₂)_nCO₂- wherein n is selected to be between 1 and 6.
- 13. (withdrawn) The composition of claim 7 wherein the alkyl component of alkyl linking group, the alkyl carbonyl linking group and the alkyl amide linking group is a straight chain, a branched chain, cyclic or aromatic hydrocarbyl group having between 1-6 carbon atoms, and can be substituted with one or more of the following substituents, hydrogen, C1-C4 alkyl C1-C4 branched alkyl, aromatic, or heteroaromatic group.

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- (withdrawn) The composition of claims 7 comprising a metal ion complexed to the tetrazzacvelododecane macrocycle.
 - 15. (withdrawn) The composition of claims 7 wherein the metal ion is radioactive.
- 16. (withdrawn) The composition of claim wherein the metal ion is selected from the group consisting of: La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, and Sc.
- 17. (currently amended) A composition comprising a metal-chelating ligand including a tetraazacyclododecane macrocycle having the formula:

where R¹, R², R³, R⁴, R⁵, R⁶, R⁷, and R⁸ are selected from the group consisting of -H,

-OH, -CH₂G, -CH₂COOH, and -NH(CH₂)_BG; n is an integer ranging from about 2 to about 6;

and G is a quanidine substituent one or more alkyl-carboxylic acids or salts thereof appended to the ring nitrogen(s), and

a guanidine substituent covalently bonded to a ring nitrogen of the metal-chelating ligand via an alkyl linking group, an alkyl carbonyl linking group, or an alkyl amide linking group.

18. (canceled)

- (previously presented) The composition of claim 17 comprising a metal ion complexed to the tetraazacvclododecane macrocycle.
- (currently amended) The composition of claim 179 wherein the metal ion is radioactive.
- 21. (currently amended) The composition of claim 179 wherein the metal ion is selected from the group consisting of: La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Y, and Sc.
- (withdrawn) A method of inhibiting tumor cell growth, said method comprising:

administering to the tumor cells an effective amount of a composition including a compound having a metal-chelating ligand including tetraazacyclododecane macrocycle having one or more alkyl carboxylic acids or salts thereof appended to the ring nitrogen(s), and a $\alpha_v \beta_3$ receptor binding ligand covalently bonded to a ring nitrogen of the metal-chelating ligand via an alkyl group linking group, an alkyl carbonyl linking group, or an alkyl amide linking group.

- (withdrawn) The method of claim 22 wherein the composition comprises a
 radioactive metal ion chelated to the metal-chelating ligand.
- 24. (withdrawn) The method of claims 22 wherein the tumor cell is selected from the group consisting of osteosarcomas, neuoroblastomas, glioblastomas, melanomas, and carcinomas.
- 25 (withdrawn) A method of inhibiting tumor cell growth, said method comprising administering to the cells a metal-chelating ligand including

tetraazacyclododecane macrocycle having one or more alkyl carboxylic acids or salts thereof appended to the ring nitrogen(s), and

a guanidine substituent covalently bonded to a ring nitrogen of the metal-chelating ligand via an alkyl linking group, an alkyl carbonyl linking group, or an alkyl amide linking group.

- 26. (withdrawn) The method of claim 25 wherein the composition comprises a radioactive metal ion chelated to the metal-chelating ligand.
- 27. (withdrawn) The method of claims 25 wherein the tumor cell is selected from the group consisting of osteosarcomas, neuoroblastomas, glioblastomas, melanomas, and carcinomas.